ABSTRACT

A left-eye image signal and a right-eye image signal are supplied to a pixel structure converter of a stereoscopic image pre-processor, and multiplexed, so to form one image, an interlace image is formed by a frame/field converter, encoded in an MPEG format by an MPEG encoding unit, stored into a storage and transmitted outward by a transmitting/recording unit. The encoded stereoscopic image signal received from the outward and reproduced from the storage is decoded by am MPEG decoding unit after going through a receiving/reproducing unit, the interlace image is reproduced, returned to the frame image by a field/frame converter of a stereoscopic image post-processor, and reproduced as the left-eye image signal and the right-eye image signal and output by the pixel structure converter.